



**Arizona Department of Transportation**  
**Intermodal Transportation Division**

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Acting State Engineer

August 15, 2008

**TO: ALL INTERESTED PARTIES**

**SUBJ: AMENDMENT NO. 2**

**REFERENCE: STATEMENT OF QUALIFICATION NO. 09-005**  
**ON-CALL STATEWIDE ON-CALL GROUND SURVEYING SERVICES**

The following questions were received by ECS:

Per Section 310 of Contract 09-05: "Densification of control may be needed in areas where control is scarce. This can be achieved through the implementation of static GPS sessions".

However, Section 330 states "In accordance with the "Standard Accuracy Specifications for Control Surveys" specified in Appendix B, vertical positions shall be established on all horizontal controls and shall be considered as Bench marks. Additional Bench Marks shall be established along the traverse route so that BM spacing shall not exceed 1 mile. BM Level Lines shall originate on at least 2 existing BMS agreeing with the limits of these specifications. The 2 originating and 2 terminal BMs must be recognized and published as First or Second Order, or higher, vertical monuments by the NGS.

Does this mean?

**QUESTION NO. 1: Evaluations established via static GPS observations will not be accepted?**

**RESPONSE:** Elevations established via static GPS are acceptable.

**QUESTION NO. 2: May the 2 originating and 2 terminal BMs be established via Static GPS observations each referenced to 2 different NGS First or Second Order control points (total of 4) via static observations?**

**RESPONSE:** The 2 originating and 2 terminal BMs refer to the NGS points. The rest of the BMs can be established by static GPS.

  
Shannon Child, Contract Specialist  
Engineering Consultant Section

**AN OFFEROR MUST ACKNOWLEDGE RECEIPT OF THIS AMENDMENT BY SIGNING BELOW AND INCLUDING THIS DOCUMENT AT THE BACK OF THE SOQ SUBMITTAL. FAILURE TO DO SO MAY RESULT IN REJECTION OF THE PROPOSAL.**

\_\_\_\_\_  
CONSULTANT NAME

\_\_\_\_\_  
SIGNATURE

- This amendment is not included in the total page count in the Statement of Qualification submittal.